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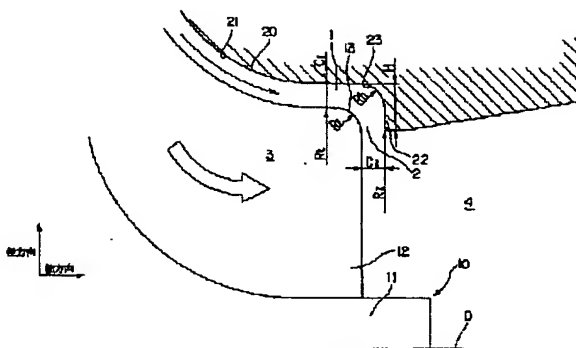
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TITLE : TURBINE FLOW PASSAGE
STRUCTURE



ABSTRACT : PROBLEM TO BE SOLVED: To improve turbine efficiency by providing a flow deflection means facing the downstream side of a tip end part of a blade of a turbine rotor with a second clearance, in a turbine flow passage structure sectioned at a first clearance between the tip end part of the blade and a shroud.

SOLUTION: The most of combustion gas led from a combustor to a turbine, flows into an inter-blade flow passage 3, and a turbine rotor 10 is rotatively driven. A part of combustion gas led from the combustor to the turbine does not flow into the inter-blade flow passage 3, but flows into a first clearance 1. In an annular step part 22 faced at a second clearance 2 to the downstream side of a tip end part of each blade 12, flow passed the first clearance is deviated in an inner diameter direction, and is led to the inter-blade flow passage 3. As a result, a flow rate delivered from the first clearance 1 to an outlet flow passage 4 while not bypassing the inter-blade flow passage 3 in combustion gas led to the turbine, is reduced, and an output generated in the turbine is improved.

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